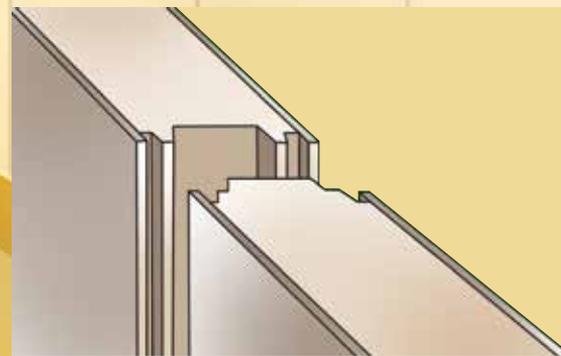


READYMADE WALLS

A revolutionary new concept



Unique Tongue and Groove Joint

4x FASTER

EVEREST
RAPICON WALLS

Everest Industries Limited

Everest is one of India's fastest growing building solutions companies. Since 1934, people have trusted Everest with their most valuable assets, their factories, warehouses and homes. We have covered more than 1 billion sq. m. of industrial and residential roofs.

Today, we provide building products and building solutions for commercial, industrial and residential sectors in over 25 countries. In India, we distribute our products across 1,00,000 villages and 600 cities, through 8 state-of-the-art facilities, 6000 outlets, 38 sales depots and 14 offices. Our range of ready-to-use products provides solutions for your building needs in roofing, ceilings, walls, floors, cladding and doors.

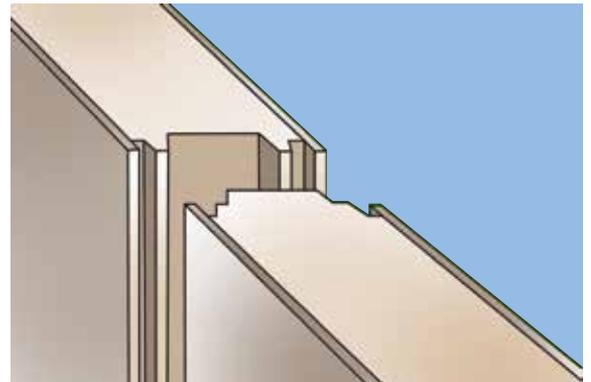
We manufacture Pre-Engineered Buildings and Smart Steel Buildings for the industrial and commercial sectors. Everest Building Solutions. For **Strength, Speed and Safety**.



In today's fast paced world, time is of the essence. Everest presents a revolutionary concept, Readymade Walls. These walls offer efficient construction with the promise of Strength, Speed and Safety. Rapicon walls are a revolutionary drywall solution, which maintains the solid effect of a conventional brick or block wall. The advantages of Everest Readymade Walls are:

- Strength and Robustness - Severe duty panels
- 4 times faster than brickwork, thereby saving you time & cost
- One fourth the weight of brick work
- Sound insulation of 40 dB
- Fire Rating > 2 hours
- Space - 3 to 5% additional

Everest Readymade Walls are Sandwich Panels made of Fibre Reinforced Aerated Cement Concrete and Everest Wall Boards. Their unique Tongue and Groove Jointing System facilitates rapid construction and maximises space utilisation. Everest Readymade Walls epitomise an extremely speedy and elegant wall solution, which is compatible with a host of surface finishing choices like paint, veneers, texture coating and wallpaper.



Unique Tongue and Groove Joint

Areas of Application

- Internal Walls - Residential/Commercial/Industrial
- Pre-fabricated Shelter - Internal/External Walls

Superior Attributes



Impact Resistant

Fire Resistant

Moisture Resistant

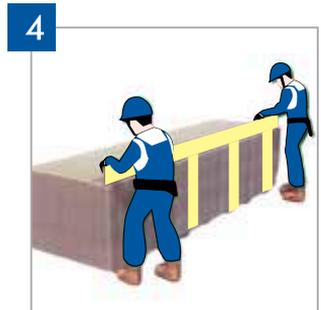
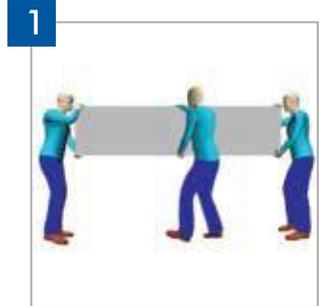
Weather Resistant

Asbestos Free

Indian Green Building Council
MEMBER

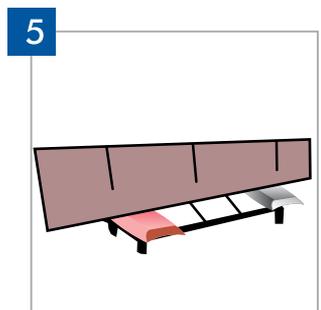
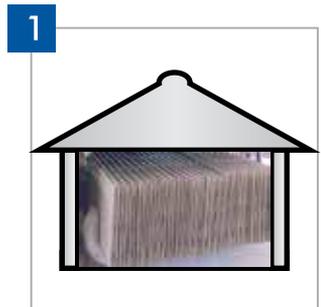
Handling

1. Everest Rapicon Walls should be handled by at least 3 - 4 persons
2. Everest Rapicon Walls should be handled in vertical position
3. A Single Panel should be handled at a time
4. During transportation, edges and corners should be fully protected and adequate packing material should be used at the bottom and sides
5. Everest Rapicon Walls should be handled with gloves to avoid patch mark



Storage

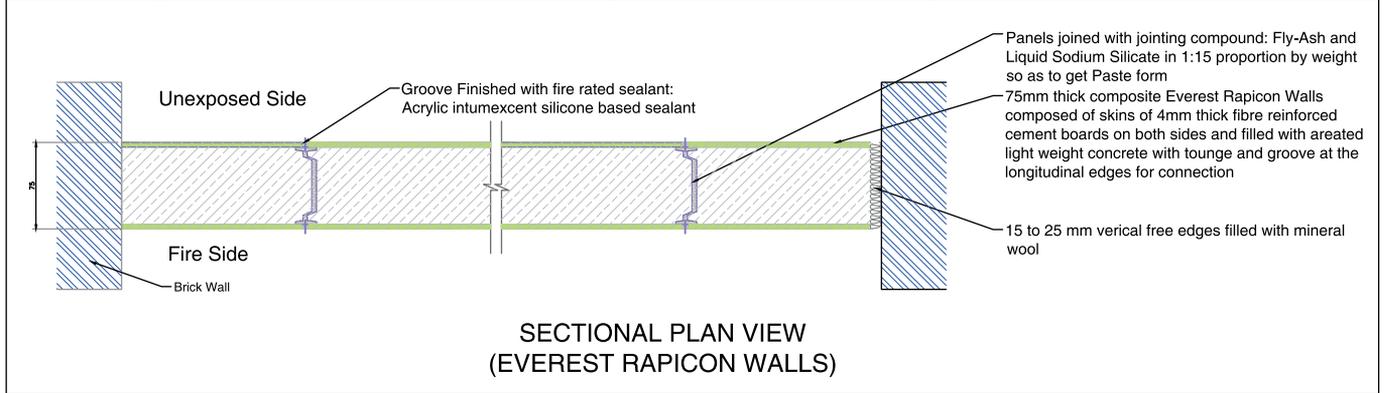
1. Everest Rapicon Walls must be stacked vertically. Never stack them horizontally
2. It is recommended to stack them 150 - 200 mm above the ground level to avoid direct contact with dust, water etc
3. Due support should be provided at equal intervals by using wooden battens under Everest Rapicon Walls for uniform stacking
4. Always keep the tongue side of the panels on the top
5. Position three metal spacers in between the panels, one at the centre of the panel and other two on either sides i.e 900 mm away from centre
6. After stacking, always cover the panels with plastic/tarpaulin sheets when kept in the open



Rapicon Walls

Everest Rapicon Walls Partiton tested and certified by PSB singapore- integrity and insulation > 1 hour

Wall Thickness	Wall Configuration	Maximum Height	Application Area
75mm	75mm Everest Rapicon Walls U Channel: 76mm	Up to 4.5 Mtr	High Performance Commercial and Official Partiton

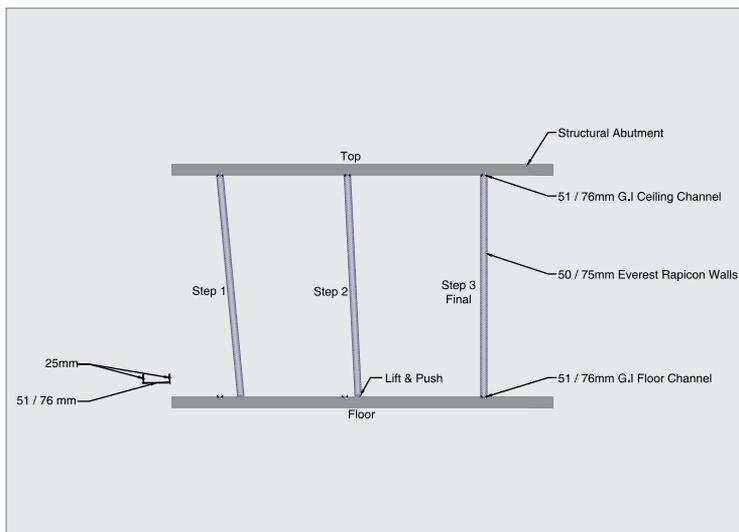


Providing Finishes of Your Choice

TYPE OF FINISH		MATERIAL
Painting*	Interior	PAINT: 2 Coats of acrylic water based emulsion/water based oil bound distemper/synthetic enamel (in special cases as per customer's choice)
	Exterior	PAINT: 2 Coats of Synthetic enamel/exterior grade emulsion/texture paint as per the choice of customer
	Monolithic	Treat with flexible sealant coated with fibre glass mesh
Wall Paper/Veneer		PVA based adhesives

* For details on Paints and Adhesives please contact respective manufacturer.
Painting: Please apply 1 coat of 100% acrylic water based cement/wood primer.

Fixing Details



Applications



Pre-fabricated Accommodation - External and Internal Wall



Site Office - External and Internal Wall



Commercial - Internal Wall



Commercial - Internal Wall



Office - Internal Half Height Wall



Office - Internal Full Height Wall

Applications



Industrial Cladding



Pre-engineered Rehabilitation Unit - External and Internal Wall



Labour Quarters - External and Internal Wall

Technical & Physical Specifications of Rapicon Walls

Property	Unit	Standard	Value
Size	mm	-	3000 x 600, 2700 x 600, 2400 x 600
Thickness	mm	-	50 & 75
Standard Weight	kg/m ²	-	42.8 for 50 mm & 58.2 for 75 mm
Edge Profile		-	Square, Beveled
Apparent Density	kg/m ³	IS:2380 P.3:77	892
Tensile Strength (Perpendicular to surface)	N/mm ²	IS:2380 P.4:77	0.35
Modulus of Rupture (MOR)	MPa	IS:2380 P.5:77	3.8
Screw Withdrawal Strength	kN	IS:2380 P.14:77	0.37
Thermal Conductivity	K.cal/h.m ⁰ C	ASTM C 177	0.12
Axial Compressive Strength	kN/Meter	IS:2380 P.8:77	420
Sound Transmission Class	dB	IS:9901 (Part 3) - 1981	38 for 50mm, 40 for 75mm
Fire Rating	Minutes	BS 476 Part 20 & 22	134
Fire Resistance Properties	Everest Rapicon Walls are non-combustible and qualify for Early Fire Hazard Indices as per BS-476 Part 20 & 22		
Moisture Resistance Properties	Everest Rapicon Walls are moisture resistant and are tested as per IS 2380		

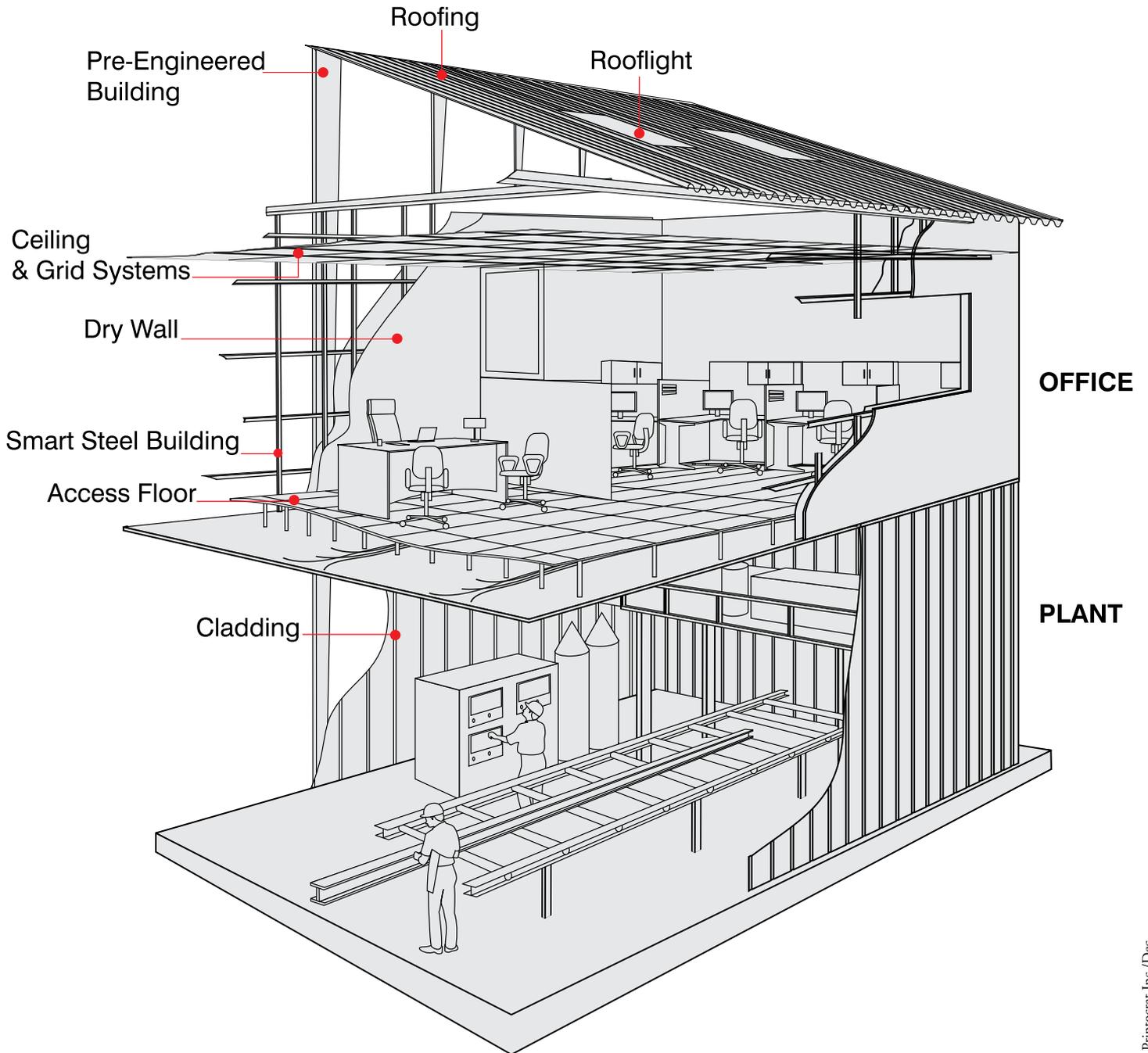
Performance Requirement for Strength & Robustness: BS 5234 (2):1992

S. No.	Test Conducted	Test Detail	Observation
1	Small Hard Body Impact		
a.	Surface Damage	Impact energy applied - 10 Nm Pendulum drop height - 0.33 m Angle of swing - 63.6 ⁰	No surface damage occurred Max. depth of indentation - 0.6 mm
b.	Perforation	Impact energy applied - 30 Nm Pendulum drop height - 1.0 m Angle of swing - 131.8 ⁰	No perforation of facing observed Max. depth of indentation - 3 mm
2	Large Soft Body Impact		
a.	Surface Damage	Impact energy applied - 100 Nm Pendulum drop height - 0.204 m Angle of swing - 50 ⁰	No surface damage occurred
b.	Structural Damage	Impact energy applied - 120 Nm Pendulum drop height - 0.245m	No structural damage occurred

* Based on the performance criteria, the Everest Rapicon Walls falls under severe duty panels



Complete Building Solutions



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